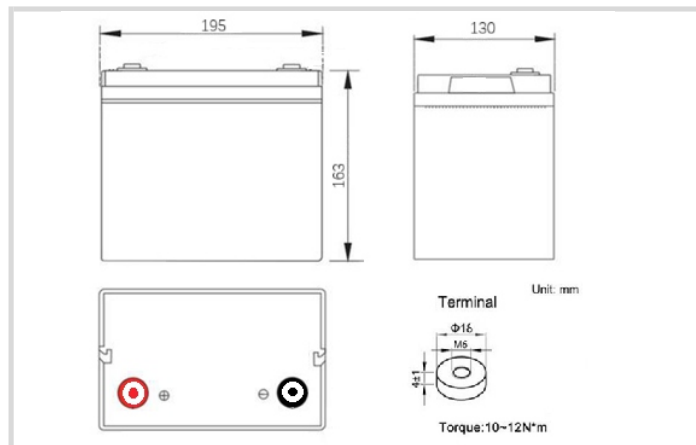


JYC LiFePO4 lithium batteries are able to provide you superior performance, durable life cycle, high safety and long lasting reliability under different situations. JYC insists on using state-of-art of high quality lithium cell and advanced BMS technology, our batteries are robustly designed for wide range applications. JYC's 12V, 24V, 48V/51.2V series lithium battery, which are popularly used in industrial, residential, commercial and military fields, such as solar/wind energy storage power system, home ESS, telecommunication site, UPS/Data Center backup power, electric vehicle, golf cart, floor machines, forklifts, robotics, marine, RV, medical equipment etc.



BATTERY SPECIFICATIONS

Nominal Voltage	12.8V
Nominal Capacity	36Ah@0.5C
Min. Capacity	36Ah@0.5C
Nominal Energy	460.8Wh
Internal Resistance	≤ 20mΩ
Cycle Life	3500 Cycles @18A Charging/Discharging ,Until 80% Capacity
Self Discharge	≤ 2% per month at 25°C&50%SOC
Bluetooth&Heat	Optional

Standard Charging &Discharge

Charging Voltage	14.0~14.4V
Charging Mode	CC-CV
Recommened Charging Current	≤ 18A
Max.Charging Current	20A Continuous charging with this current may trigger BMS temperature protection.
Recommened Discharging Current	18A
Max. Continuous Discharging Current	20A
Max.Pulse Current	75(<10S)
Discharging Cut-off Voltage	10.8

Operating Condition

Charge Temperature	0°C to 45°C(32°F to 113°F) @60±25% Relative Humidity
Discharge Temperature	-20°C to 60°C(-4°F to 140°F) @60±25% Relative Humidity
Storage Temperature	0°C to 45°C(32°F to 113°F) @60±25% Relative Humidity

Structure

Casing	Plastic
Dimension(L*W*H*TH)	195*130*163mm
Weight	Approx. 4.9Kgs
Terminal	M6
Water Dust Resistance	IP65

Number of batteries used in series and parallel

Maximum number of series connections	4PCS
Maximum number of parallel connections	4PCS

Certifications

UL(Cell)	CE(Cell/Battery)	IEC62133(Cell)
UN38.3(Cell/Battery)	ROHS(Cell)	IEC62619(Cell)

Constant Current Discharge Data (Amperes @ 25°)

Discharge Time	1h	2h	3h	4h	5h	10h	20h
Cut off voltage (10.8V)	36A	18A	12A	9A	7.2A	3.6A	1.8A

Constant Power Discharge Data (Watts @ 25°)

Discharge Time	1h	2h	3h	4h	5h	10h	20h
Cut off voltage (10.8V)	447W	227W	152W	114W	92W	46W	23W

Market Application



Low-speed car



Golf cart



Light EV



Robotics



Cleaning

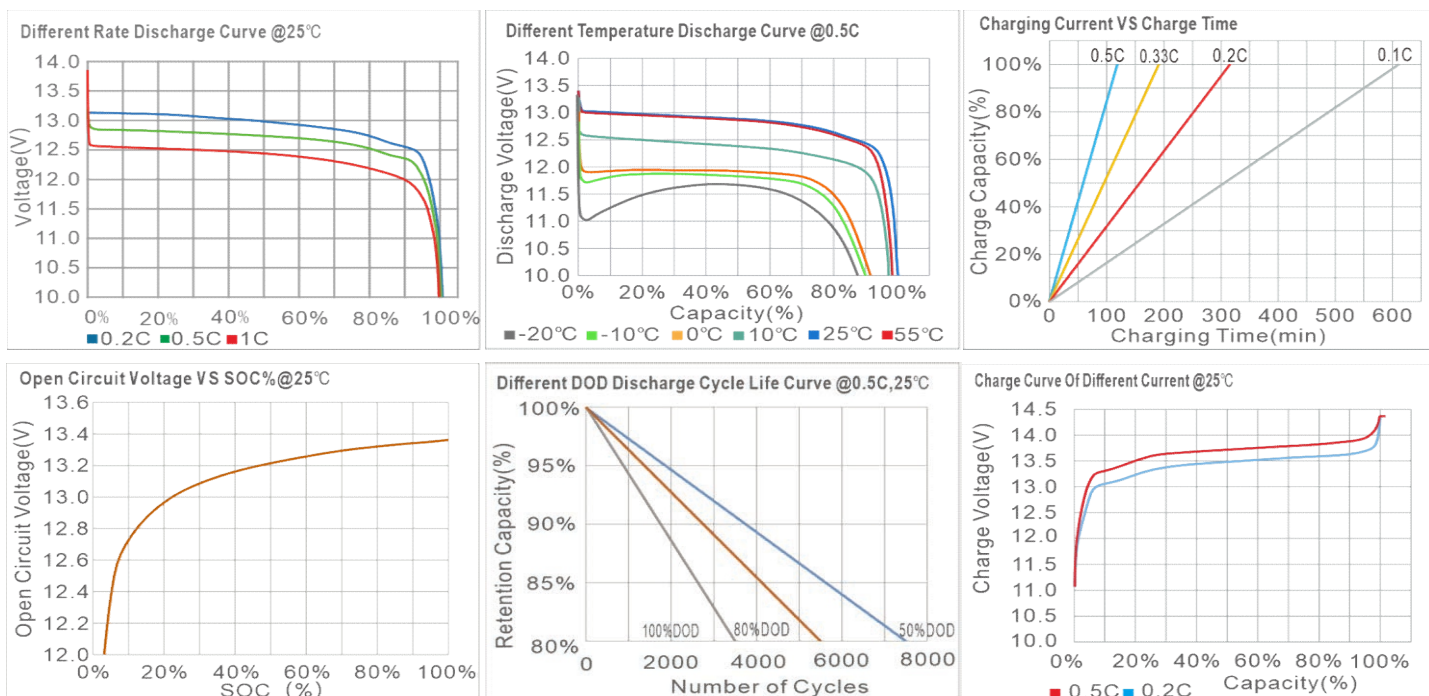


Solar & Wind



Lighting

Battery characteristic curve



Note 1: Please always refer to the latest edition of our technical manual that published on our website to ensure safe and efficient operation.

Note 2: When make parallel connection, please full discharge batteries, then recharge after parallel connected; when series connect, please keep batteries with same remain capacity.

Note 3: Parallel connection is only for longer backup time, not for larger output power.